

AMENDMENTS TO THE CLAIMS

Please amend claims 1, 6, 8-10, and 13, and cancel claims 2-5, 7, 11-12, and 14-20, as set forth in the listing of claims that follows:

1. (Currently Amended) A brake assembly comprising:
a rotor;
a brake caliper assembly including an electric actuator motor having a stator;
at least one friction pad operably attached to the caliper assembly, wherein the electric actuator motor is operable to force the friction pad into frictional engagement with the rotor; and
a heat pipe connected to the stator ~~at least one thermal conduit extending distally from the actuator motor~~ for dissipating heat generated by energy away from the electric actuator motor during operation.

2-5. (Cancelled)

6. (Currently Amended) The assembly of claim 1 wherein the heat pipe ~~thermal conduit~~ is operably attached to a suspension component.

7. (Cancelled)

8. (Currently Amended) The assembly of claim 1 wherein the heat pipe ~~thermal conduit~~ is manufactured substantially from a material selected from a group consisting of aluminum, copper, brass, nickel, steel, a metal, a metal alloy, and a composite.

9. (Currently Amended) The assembly of claim 1 further comprising a heatsink member operably attached to the heat pipe ~~thermal conduit~~, the heatsink member including a plurality of fins.

10. (Currently Amended) A method of dissipating heat from a brake assembly, the method comprising:

providing an electric actuator motor for actuating a brake caliper assembly to force a friction pad into engagement with a rotor, said electric motor comprising a stator;

providing a heat pipe connected to the stator ~~thermal conduit extending distally from the actuator motor for dissipating heat generated by the electric actuator motor during operation; and~~

~~conducting heat away from the actuator motor along the thermal conduit.~~

11-12. (Cancelled)

13. (Currently Amended) The method of claim 10 further comprising providing a dissipation site thermally coupled to the heat pipe and comprising fins adapted for convecting heat ~~thermal conduit.~~

14-20. (Original)